

Title (en)

Contactless measurement of the surface temperature of a probe exposed to artificial weathering

Title (de)

Kontaktlose Messung der Oberflächentemperatur von künstlich bewitterten Proben

Title (fr)

Mesure sans contact de la température de la surface d'un échantillon exposé aux intempéries artificielles

Publication

EP 1517132 B1 20120530 (DE)

Application

EP 04019632 A 20040818

Priority

DE 10343280 A 20030918

Abstract (en)

[origin: EP1517132A1] Method for evaluating weather induced aging of a sample in which the sample is exposed to natural or artificial weathering and the surface temperature of the sample is contactlessly measured during the weathering process. An independent claim is made for a device for artificial weathering of a sample comprising a weathering chamber (1) with a radiation source (4), mounting means (2) for the sample (3) and a contactless temperature sensor (6).

IPC 8 full level

G01N 17/00 (2006.01); **G01J 5/10** (2006.01)

CPC (source: EP US)

G01N 17/00 (2013.01 - EP US)

Citation (examination)

- US 4874952 A 19891017 - ARNAUD RENE [FR], et al
- USDA FOREST SERVICE, FOREST PRODUCTS LABORATORY: "Quantification and Prediction for Aging of Printing and Writing Papers Exposed to Light", August 2000 (2000-08-01), Madison, Wisconsin, USA, pages 1 - 151, Retrieved from the Internet <URL:www.fpl.fs.fed.us/documnts/pdf2003/fpl03a.pdf> [retrieved on 20071001]

Cited by

DE102007047776A1; US10962468B2; EP3486635A1

Designated contracting state (EPC)

DE FR GB IT TR

DOCDB simple family (publication)

EP 1517132 A1 20050323; EP 1517132 B1 20120530; CN 100403009 C 20080716; CN 1598536 A 20050323; DE 10343280 A1 20050414; DE 10343280 B4 20050922; JP 2005091366 A 20050407; JP 4049771 B2 20080220; US 2005092114 A1 20050505; US 7353722 B2 20080408

DOCDB simple family (application)

EP 04019632 A 20040818; CN 200410078148 A 20040917; DE 10343280 A 20030918; JP 2004271237 A 20040917; US 94314204 A 20040917